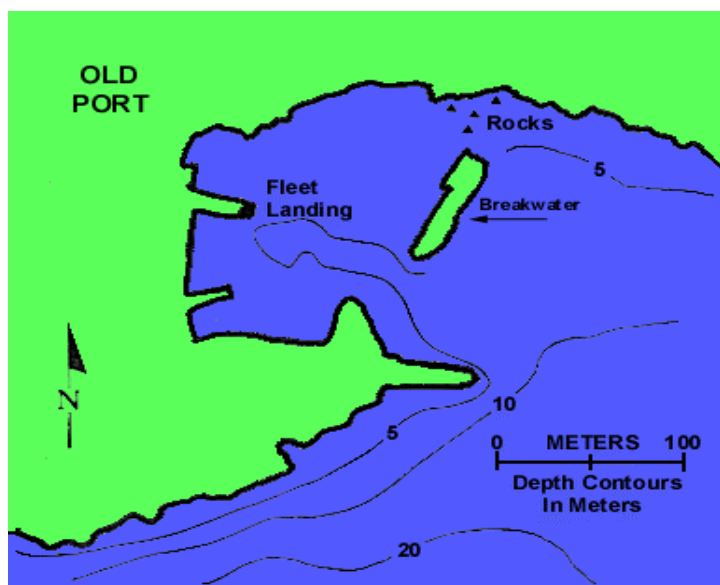
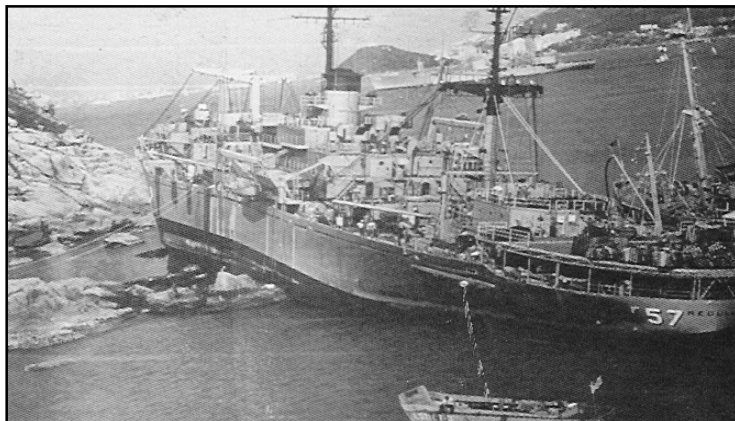




# SEVERE WEATHER PORT STUDIES

## WHAT IS WRONG WITH THIS PICTURE?

The USS REGULUS, a U.S. Navy ship aground in the harbor area of Hong Kong with rocks penetrating the hull as a result of Typhoon Rose (August 1971). This incident initiated the requirement for assistance in severe weather port decision-making.



The U.S. Navy operates throughout the world and many of the U.S. Navy ships are in port at any instant in time. Environmental phenomena such as strong winds, high waves, storm surge, restrictions to visibility, and thunderstorms can be hazardous to these ships while in these ports, or maneuvering in or out of port. Because the U.S. Navy recognized this as a serious concern to Navy ship captains, the Marine Meteorology Division of the Naval Research Laboratory, Monterey, California was asked to evaluate the severe weather suitability of numerous ports and document the results. The resulting analyses provide decision-making guidance for ship captains as well as environmental information for operational forecasters. Over 150 port evaluations have been completed and disseminated via the Commander, Naval Meteorology and Oceanography Command. These port studies have also been widely accepted and used by the U.S. Coast Guard as well as the small boating and maritime communities.

## Mediterranean Severe Weather Port Guide

70 Port Studies



Naval Research Laboratory  
Monterey, CA  
93943-5502

Typhoon Havens Handbook for the Western Pacific and Indian Oceans

NRL/PU/7543--96-0025



57 Port Studies



HURRICANE HAVENS HANDBOOK  
FOR THE NORTH ATLANTIC OCEAN

NAVENVPREDRSCHFAC TECHNICAL REPORT TR 82-03



36 Port Studies

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9 Port Studies